

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"6820582" and ring	US-PGPUB; USPAT	OR	ON	2008/04/30 10:25
L2	0	"6820582" and ring and cast\$4	US-PGPUB; USPAT	OR	ON	2008/04/30 10:25
L3	0	"6820582" and ring and cast	US-PGPUB; USPAT	OR	ON	2008/04/30 10:26
L4	1	"5645028" and seam	US-PGPUB; USPAT	OR	ON	2008/04/30 10:48
S1	0	29/888.01 and engine and piston and pin near1 bore\$2 and pin near1 boss\$3 and skirt \$2 and recess\$2 and aluminum near1 ring\$2 and shank\$2 and cool \$4 near1 channel \$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 12:12
S2	0	29/888.01 and engine and piston and pin near1 bore\$2 and pin near1 boss\$3 and skirt \$2 and recess\$2 and aluminum near1 ring\$2 and shank\$2 and cool \$4 and channel \$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 12:12

S3	0	29/888.01 and engine and piston and pin and bore\$2 and pin near1 boss\$3 and skirt\$2 and recess\$2 and aluminum near1 ring\$2 and shank \$2 and cool\$4 and channel\$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 12:12
S4	0	29/888.01 and engine and piston and pin and bore\$2 and pin near1 boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and cool\$4 and channel\$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 12:13
S5	0	29/888.01 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and cool\$4 and channel\$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 12:13

S6	0	29/888.01 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and channel \$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 12:13
S7	0	29/888.01 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 12:13
S8	0	29/888.04 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:03
S9	0	29/888.044 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:03

S10	0	29/888.049 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:03
S11	0	29/888.05 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:04
S12	0	29/888.07 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:04
S13	0	29/888.07 and engine and piston and pin and bore\$2 and pin and boss\$3 and recess\$2 and aluminum and ring\$2 and shank\$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:04

S14	0	29/888.01 and engine and piston and pin near1 bore\$2 and pin near1 boss\$3 and recess\$2 and aluminum near1 ring\$2 and shank \$2 and cool\$4 near1 channel\$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:05
S15	0	29/888.01 and engine and piston and pin near1 bore\$2 and pin near1 boss\$3 and recess\$2 and aluminum near1 ring\$2 and shank \$2 and cool\$4 and channel\$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:06
S16	0	29/888.01 and engine and piston and pin near1 bore\$2 and pin near1 boss\$3 and recess\$2 and aluminum near1 ring\$2 and shank \$2 and channel \$2 and crown and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:07

S17	0	29/888.01 and engine and piston and pin near1 bore\$2 and pin near1 boss\$3 and recess\$2 and aluminum near1 ring\$2 and shank \$2 and channel \$2 and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:07
S18	0	29/888.01 and engine and piston and pin near1 bore\$2 and pin and recess\$2 and aluminum near1 ring\$2 and shank \$2 and channel \$2 and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:07
S19	0	29/888.01 and engine and piston and pin near1 bore\$2 and pin and aluminum near1 ring\$2 and shank \$2 and channel \$2 and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:07
S20	0	29/888.01 and engine and piston and pin near1 bore\$2 and pin and aluminum near1 ring\$2 and channel\$2 and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:07
S21	309	29/888.01 \piston and pin near1 bore\$2 and pin and aluminum near1 ring\$2 and channel\$2 and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:07

S22	306	29/888.01 andpiston and pin near1 bore\$2 and pin and aluminum near1 ring\$2 and channel\$2 and weld	US- PGPUB; USPAT	OR	ON	2008/04/28 15:08
S23	0	29/888.01 and piston and pin near1 bore\$2 and pin and aluminum near1 ring\$2 and channel\$2 and weld	US- PGPUB; USPAT	OR	ON	2008/04/28 15:08
S24	0	29/888.01 and piston and bore \$2 and pin and aluminum near1 ring\$2 and channel\$2 and weld	US- PGPUB; USPAT	OR	ON	2008/04/28 15:08
S25	0	29/888.01 and piston and bore \$2 and pin and aluminum and ring\$2 and channel\$2 and weld	US- PGPUB; USPAT	OR	ON	2008/04/28 15:09
S26	0	29/888.04 and piston and bore \$2 and pin and aluminum and ring\$2 and channel\$2 and weld	US- PGPUB; USPAT	OR	ON	2008/04/28 15:09
S27	0	29/888.044 and piston and bore \$2 and pin and aluminum and ring\$2 and channel\$2 and weld	US- PGPUB; USPAT	OR	ON	2008/04/28 15:09

S28	0	29/888.049 and piston and bore \$2 and pin and aluminum and ring\$2 and channel\$2 and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:09
S29	0	29/888.05 and piston and bore \$2 and pin and aluminum and ring\$2 and channel\$2 and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:09
S30	0	29/888.07 and piston and bore \$2 and pin and aluminum and ring\$2 and channel\$2 and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:09
S31	0	29/888.07 and piston and bore \$2 and pin and aluminum and channel\$2 and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:11
S32	0	29/888.01 and piston and bore \$2 and pin and aluminum and channel\$2 and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:11
S33	0	29/888.01 and piston and bore \$2 and pin and aluminum and weld	US-PGPUB; USPAT	OR	ON	2008/04/28 15:11
S34	16	29/888.01 and piston and bore \$2 and pin and aluminum	US-PGPUB; USPAT	OR	ON	2008/04/28 15:11



S35	3	29/888.01 and piston and bore \$2 and pin and aluminum and skirt	US-PGPUB; USPAT	OR	ON	2008/04/28 15:12
S36	0	29/888.01 and piston and bore \$2 and pin and aluminum and skirt and niresit	US-PGPUB; USPAT	OR	ON	2008/04/28 15:12
S37	11	29/888.01 and piston and bore \$2 and pin and aluminum and cool\$5	US-PGPUB; USPAT	OR	ON	2008/04/28 15:12
S38	1	29/888.01 and piston and bore \$2 and pin and aluminum and cool\$5 and shank \$2	US-PGPUB; USPAT	OR	ON	2008/04/28 15:13
S39	1	29/888.01 and piston and bore \$2 and pin and aluminum and cool\$5 and boss \$4	US-PGPUB; USPAT	OR	ON	2008/04/28 15:15
S40	1	29/888.01 and piston and bore \$2 and pin and aluminum and cool\$5 and crown \$2	US-PGPUB; USPAT	OR	ON	2008/04/28 15:16
S41	1	29/888.01 and piston and bore \$2 and pin and aluminum and cool\$5 and weld \$5	US-PGPUB; USPAT	OR	ON	2008/04/28 15:18
S42	1	06/682,420	US-PGPUB; USPAT	OR	ON	2008/04/29 11:47
S43	0	06/682,420 and forging	US-PGPUB; USPAT	OR	ON	2008/04/29 15:17

S44	0	06/682,420 and forg\$4	US- PGPUB; USPAT	OR	ON	2008/04/29 15:17
S45	0	"6029346" and forg\$4	US- PGPUB; USPAT	OR	ON	2008/04/29 15:21
S46	7325	piston and forg \$4	US- PGPUB; USPAT	OR	ON	2008/04/29 15:22
S47	1405	piston same forg \$4	US- PGPUB; USPAT	OR	ON	2008/04/29 15:22
S48	224	piston same forg \$4 same aluminum\$3	US- PGPUB; USPAT	OR	ON	2008/04/29 15:22
S49	22	piston same forg \$4 same aluminum\$3 same base	US- PGPUB; USPAT	OR	ON	2008/04/29 15:23
S50	3	piston same forg \$4 same aluminum\$3 same base same recess	US- PGPUB; USPAT	OR	ON	2008/04/29 15:23
S51	2	"6530149" and cool\$4	US- PGPUB; USPAT	OR	ON	2008/04/29 16:15
S52	1994	piston and cool \$4 and shank\$2	US- PGPUB; USPAT	OR	ON	2008/04/29 16:17
S53	272	piston and cool \$4 same shank\$2	US- PGPUB; USPAT	OR	ON	2008/04/29 16:17
S54	78	piston same cool \$4 same shank\$2	US- PGPUB; USPAT	OR	ON	2008/04/29 16:17
S55	14	piston same cool \$4 same shank\$2 same channel	US- PGPUB; USPAT	OR	ON	2008/04/29 16:18
S56	5	piston same cool \$4 same shank\$2 same channel same steel	US- PGPUB; USPAT	OR	ON	2008/04/29 16:18

S57	1	piston same cool \$4 same shank\$2 same channel same steel same sheet	US- PGPUB; USPAT	OR	ON	2008/04/29 16:18
S58	5	piston same cool \$4 same shank\$2 same channel same steel	US- PGPUB; USPAT	OR	ON	2008/04/29 16:18
S59	0	"6820582" and weld\$4	US- PGPUB; USPAT	OR	ON	2008/04/29 17:50
S60	1	piston same cool \$4 same shank\$2 same channel same steel and weld\$5	US- PGPUB; USPAT	OR	ON	2008/04/29 17:50
S61	0	"6820582b" and weld\$4	US- PGPUB; USPAT	OR	ON	2008/04/29 17:51
S62	0	"6820582B" and weld\$4	US- PGPUB; USPAT	OR	ON	2008/04/29 17:51
S63	3	piston same weld \$4 same niresist	US- PGPUB; USPAT	OR	ON	2008/04/29 18:04
S64	3	piston same weld \$4 same niresist	US- PGPUB; USPAT	OR	ON	2008/04/29 18:05
S65	1	piston same weld \$4 same niresist and shank	US- PGPUB; USPAT	OR	ON	2008/04/29 18:06
S66	0	"5645028" and cutting	US- PGPUB; USPAT	OR	ON	2008/04/29 18:31
S67	3	"5645028" and cut\$5	US- PGPUB; USPAT	OR	ON	2008/04/29 18:31

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